

## Index to Volume 51 (2000)

### Authors and Titles

Acharya K  
*See Asaeda T et al.* 275

Adams M  
*See Bertozi T et al.* 805

Allen G R  
*See McGuigan K et al.* 713

Almeida Z  
*See Lessa R et al.* 339

Almirón A E, García M L, Menni R C, Protogino L C, Solari L C  
 Fish ecology of a seasonal lowland stream in temperate South America. 265

Andrew N L, O'Neill A L  
 Large-scale patterns in habitat structure on subtidal rocky reefs in New South Wales. 255

Annala J H  
*See Gilbert D J et al.* 451

Asaeda T, Acharya K  
 Numerical simulations using a population model of three cladoceran species, *Daphnia magna*, *D. galeata* and *Bosmina longirostris*, in a single-species and a competition environment. 275

Babcock R C, Franke E, Barr N  
 Does spawning depth affect fertilization rates? Experimental data from the sea star *Coscinasterias calamaria*. 55

Babcock R C  
*See also Willis T J et al.* 755

Badcock K A  
*See Cresswell G R et al.* 641

Baker J L  
*See McGlenon D et al.* 669

Barr N  
*See Babcock R C et al.* 55

Batista V  
*See Lessa R et al.* 339

Beckley L E, Leis J M  
 Occurrence of tuna and mackerel larvae (Family: Scombridae) off the east coast of South Africa. 777

Benning R J  
*See Stauber J L et al.* 1

Bertozi T, Adams M, Walker K F  
 Species boundaries in carp gudgeons (Eleotrididae: *Hypseleotris*) from the River Murray, South Australia: evidence for multiple species and extensive hybridization. 805

Birch G F  
*See Matthai C et al.* 565

Blight S J  
*See Gaughan D J et al.* 601

Bond N R, Downes B J  
 Flow-related disturbance in streams: an experimental test of the role of rock movement in reducing macroinvertebrate population densities. 333

Bonzon A A  
*See Pollnac R B et al.* 529

Bonzon A E  
 The development of economic and social indicators for the management of Mediterranean fisheries. 493

Branch G M  
*See Loewenthal D et al.* 613

Brawington M V, Stokes T K, O'Brien C M  
 Sustainable recruitment: the bottom line. 465

Brookes J D, Geary S M, Ganf G G, Burch M D  
 Use of FDA and flow cytometry to assess metabolic activity as indicator of nutrient status in phytoplankton. 817

Brunskill G J  
*See Doherty G B et al.* 739

Bunce A, Norman F I  
 Changes in the diet of the Australasian gannet (*Morus serrator*) in response to the 1998 mortality of pilchards (*Sardinops sagax*). 349

Burch M D  
*See Brookes J D et al.* 817

Byrne M, Vesk P A  
 Elemental composition of mantle tissue granules in *Hyridella depressa* (Unionida) from the Hawkesbury-Nepean River system, Australia: inferences from catchment chemistry. 183

Caddy J F  
*See Seijo J C et al.* 477

Camacho A  
*See Roca J R et al.* 311

Chiaradia A  
*See Dann P et al.* 355

Chong K-C  
 Using sustainability indicators to manage fisheries: experiences in the Bay of Bengal. 523

Christensen V  
 Indicators for marine ecosystems affected by fisheries. 447

Cohen B F, Currie D R, McArthur M A  
 Epibenthic community structure in Port Phillip Bay, Victoria, Australia. 689

Coomas D  
*See Doherty G B et al.* 739

Coutures E  
 Distribution of phyllosoma larvae of Scyllaridae and Palinuridae (Decapoda: Palinuridea) in the south-western lagoon of New Caledonia. 363

Cresswell G R  
 Coastal currents of northern Papua New Guinea, and the Sepik River outflow. 553

Cresswell G R, Badcock K A  
 Tidal mixing near the Kimberley coast of NW Australia. 641

Crook P L, Hunter K A  
 Labile forms of iron in coastal seawater: Otago Harbour, New Zealand. 193

Cullen J M  
*See Dann P et al.* 355

Currie D R  
*See Cohen B F et al.* 689

Dahl A L  
 Using indicators to measure sustainability: recent methodological and conceptual developments. 427

Dann P, Norman F I, Cullen J M, Neira F J, Chiaradia A  
 Mortality and breeding failure of little penguins, *Eudyptula minor*, in Victoria, 1995-96, following a widespread mortality of pilchard, *Sardinops sagax*. 355

Das P, Marchesiello P, Middleton J H  
 Numerical modelling of tide-induced residual circulation in Sydney Harbour. 97

Davis J A  
*See Lund M A* 321

de Jong N H  
 Woody plant restoration and natural regeneration in wet meadow at Coomonderry Swamp on the south coast of New South Wales. 81

del Rosario A E  
*See Pollnac R B et al.* 529

Denissenko P V  
*See Vladimirov V A et al.* 589

Dennison W C  
*See O'Donohue M J et al.* 703

Dimmlich W F  
*See Fairclough D V et al.* 619  
*and Fairclough D V et al.* 631

Doherty G B, Coomas D, Brunskill G J  
 Modelling natural and enhanced trace metal concentrations in sediments of Cleveland Bay, Australia. 739

Downes B J  
*See Bond N R et al.* 333

Dudley B, Tolimieri N, Montgomery J C  
 Swimming ability of the larvae of some reef fishes from New Zealand waters. 783

Dudley S F J  
*See Wintner S P et al.* 43

Elliott N G  
*See van den Enden T et al.* 23

Eriksen R S  
*See Stauber J L et al.* 1

Fairclough D V, Dimmlich W F, Potter I C  
 Length and age compositions and growth rates of the Australian herring *Arripis georgiana* in different regions. 631  
 Reproductive biology of the Australian herring *Arripis georgiana*. 619

Fowler A J, McLeay L, Short D A  
 Spatial variation in size and age structures and reproductive characteristics of the King George whiting (Percoidae: Sillaginidae) in South Australian waters. 11

Francis M P, Ó Maolagáin C  
 Age, growth and maturity of a New Zealand endemic shark (*Mustelus lenticulatus*) estimated from vertebral bands. 35

Franke E  
*See Babcock R C et al.* 55

Ganf G G  
*See Siebentritt M A et al.* 73  
*and Nicol J M et al.* 305  
*and Brookes J D et al.* 817

Garcia M L  
*See Almirón A E et al.* 265

Garcia S M  
 The FAO definition of sustainable development and the Code of Conduct for Responsible Fisheries: an analysis of the related principles, criteria and indicators. 535

Garcia S M, Staples D J  
 Sustainability reference systems and indicators for responsible marine capture fisheries: a review of concepts and elements for a set of guidelines. 385

Gaughan D J, Mitchell R W, Blight S J  
 Impact of mortality, possibly due to herpesvirus, on pilchard *Sardinops sagax* stocks along the south coast of Western Australia in 1998–99. 601

Geary S M  
*See Brookes J D et al.* 817

Gehrke P C, Harris J H  
 Large-scale patterns in species richness and composition of temperate riverine fish communities, south-eastern Australia. 165

Gibbs M T  
 Elevated chlorophyll *a* concentrations associated with a transient shelfbreak front in a western boundary current at Sydney, south-eastern Australia. 733

Gibbs M T  
*See also Marchesiello P et al.* 577

Gilbert D J, Annala J H, Johnston K  
 Technical background to fish stock indicators for state-of-environment reporting in New Zealand. 451

Glibert P M  
*See O'Donohue M J et al.* 703

Gorospe M L G  
*See Pollnac R B et al.* 529

Gray C A  
*See Kennelly S J et al.* 749

Griffin S L  
 Influence of food type on the production and settling rate of faecal pellets produced by an estuarine copepod. 371

Hales L T  
*See Stauber J L et al.* 1

Hancock B  
 Genetic subdivision of Roe's abalone, *Haliotis roei* Grey (Mollusca: Gastropoda), in south-western Australia. 679

Hancock G J  
 Identification of resuspended sediment in an estuary using the  $^{228}\text{Th}/^{232}\text{Th}$  activity ratio: the fate of lagoon sediment in the Bega River estuary, Australia. 659

Harris J H  
*See Gehrke P C et al.* 165

Hearn W S  
*See Leigh G M et al.* 143

Hehir G  
*See Marchant R et al.* 825

Hindell J S, Quinn G P  
 Effects of sewage effluent on the population structure of *Brachidontes rostratus* (Mytilidae) on a temperate intertidal rocky shore. 543

Hindell M A  
*See Reid T A et al.* 789

Hoegh-Guldberg O  
*See Jones R J et al.* 63

Hundloe T J  
 Economic performance indicators for fisheries. 485

Hunter K A  
*See Croot P L et al.* 193

Jackson W B  
*See McGlennon D et al.* 669

Johnston K  
*See Gilbert D J et al.* 451

Jones G K  
*See McGlennon D et al.* 669

Jones R J, Ward S, Yang Amri A,  
 Hoegh-Guldberg O  
 Changes in quantum efficiency of Photosystem II of symbiotic dinoflagellates of corals after heat stress, and of bleached corals sampled after the 1998 Great Barrier Reef mass bleaching event. 63

Kawahata H, Ohta H  
 Sinking and suspended particles in the South-west Pacific. 113

Kennelly S J, Gray C A  
 Reducing the mortality of discarded undersize sand whiting *Sillago ciliata* in an estuarine seine fishery. 749

Kettle A J  
 Comparison of different dynamic models to predict the concentration of a photochemical tracer in the upper ocean as a function of depth and time. 289

Kinloch M A  
*See McGlennon D et al.* 669

Leigh G M, Hearn W S  
 Changes in growth of juvenile southern bluefin tuna (*Thunnus maccoyii*): an analysis of length–frequency data from the Australian fishery. 143

Leis J M  
*See Beckley L E et al.* 777

Lessa R, Santana F M, Batista V, Almeida Z  
 Age and growth of the daggernose shark, *Isogomphodon oxyrhynchus*, from northern Brazil. 339

Lintermans M  
 Recolonization by the mountain galaxias *Galaxias olidus* of a montane stream after the eradication of rainbow trout *Oncorhynchus mykiss*. 799

Loewenthal D, Mayfield S, Branch G M  
 Improving the catch efficiency of the West Coast rock lobster, *Jasus lalandii*. 513

Lund M A, Davis J A  
 Seasonal dynamics of plankton communities and water chemistry in a eutrophic wetland (Lake Monger, Western Australia): implications for biomanipulation. 321

Marchant R, Hehir G  
 How efficient is extraction of stream insect larvae from quantitative benthic samples? 825

Marchesiello P, Gibbs M T, Middleton J H  
 Simulations of coastal upwelling on the Sydney continental shelf. 577

Marchesiello P  
*See also Das P et al.* 97

Matthai C, Birch G F  
 Effect of coastal cities on surficial sediments mantling an adjacent high-energy continental margin – central New South Wales, Australia. 565

Mayfield S  
*See Loewenthal D et al.* 613

McArthur M A  
*See Cohen B F et al.* 689

McGlennon D, Jones G K, Baker J, Jackson W B, Kinloch M A  
 Ageing, catch-at-age and relative year-class strength for snapper (*Pagrus auratus*) in northern Spencer Gulf, South Australia. 669

McGuigan K, Zhu D, Allen G R, Moritz C  
 Phylogenetic relationships and historical biogeography of melanotaeniid fishes in Australia and New Guinea. 713

McLeay L  
*See Fowler A J et al.* 11

McLoughlin K J  
*See Stevens J D et al.* 127

McManus J W  
*See Pollnac R B et al.* 529

Menni R C  
*See Almirón A E et al.* 265

Mezquita F  
*See Roca J R et al.* 311

Middleton J H  
*See Das P et al.* 97  
*and Marchesiello P et al.* 577

Miracle M R  
*See Roca J R et al.* 311

Mitchell R W  
*See Gaughan D J et al.* 601

Molony B W  
*See Omundsen S L et al.* 249

Montgomery J C  
*See Dudley B et al.* 783

Moritz C  
*See McGuigan K et al.* 713

Moskalev I S  
*See Vladimirov V A et al.* 589

Moss G A  
*See Tong L J et al.* 235  
*and Tong L J et al.* 243

Neira F J  
*See* Dann P *et al.* 355

Nicol J M, Ganf G G  
 Water regimes, seedling recruitment and establishment in three wetland plant species. 305

Norman F I  
*See* Bunce A *et al.* 349

Nowak B F  
*See* Stauber J L *et al.* 1  
 and Dann P *et al.* 355

Ó Maolagáin C  
*See* Francis M P *et al.* 35

O'Brien C M  
*See* Bravington M V *et al.* 465

O'Donohue M J, Gilbert P M, Dennison W C  
 Utilization of nitrogen and carbon by phytoplankton in Moreton Bay, Australia. 703

O'Neill A L  
*See* Andrew N L *et al.* 255

Ohta H  
*See* Kawahata H *et al.* 113

Omundsen S L, Sheaves M J, Molony B W  
 Temporal population dynamics of the swarming shrimp, *Acetes sibogae australis*, in a tropical near-shore system. 249

Paewai M M  
*See* Tong L J *et al.* 235  
 and Tong L J *et al.* 243

Peck G A, Smith J D  
 Distribution of dissolved and particulate  $^{226}\text{Ra}$ ,  $^{210}\text{Pb}$  and  $^{210}\text{Po}$  in the Bismarck Sea and western equatorial Pacific Ocean. 647

Pedley T J  
*See* Vladimirov V A *et al.* 589

Perrings C  
 Sustainability indicators for fisheries in integrated coastal area management. 513

Pickering T D  
*See* Tong L J *et al.* 235  
 and Tong L J *et al.* 243

Pollnac R B, McManus J W, del Rosario A E, Banzon A A, Vergara S G, Gorospe M L G  
 Unexpected relationships between coral reef health and socio-economic pressures in the Philippines: reefbase/RAMP applied. 529

Potter I C  
*See* Fairclough D V *et al.* 619  
 and Fairclough D V *et al.* 631

Pribac F  
*See* Punt A E *et al.* 205

Prince J D  
*See* Punt A E *et al.* 205

Protogino L C  
*See* Almirón A E *et al.* 265

Punt A E, Pribac F, Walker T I, Taylor B L, Prince J D  
 Stock assessment of school shark, *Galeorhinus galeus*, based on a spatially explicit population dynamics model. 205

Quinn G P  
*See* Hindell J S *et al.* 543

Reid T A, Hindell M A  
 Coarse-scale relationships between seabirds and zooplankton off south-eastern Tasmania. 789

Robson B J  
 Role of residual biofilm in the recolonization of rocky intermittent streams by benthic algae. 725

Roca J R, Mezquita F, Rueda J, Camacho A, Miracle M R  
 Endorheic versus karstic lakes: patterns of ostracod distributions and lake typology in a Mediterranean landscape (Castilla – La Mancha, Spain). 311

Rueda J  
*See* Roca J R *et al.* 311

Russ G R  
*See* Zeller D C *et al.* 221

Santana F M  
*See* Lessa R *et al.* 339

Seijo J C, Caddy J F  
 Uncertainty in bio-economic reference points and indicators of marine fisheries. 477

Sheaves M J  
*See* Omundsen S L *et al.* 249

Short D A  
*See* Fowler A J *et al.* 11

Siebentritt M A, Ganf G G  
 Influence of abiotic and biotic factors on two co-occurring species of *Bolboschoenus*. 73

Smith J D  
*See* Peck G A *et al.* 647

Smith K A  
 Active and passive dispersal of *Centroberyx affinis* (Berycidae) and *Gonorynchus greyi* (Gonorynchidae) larvae on the Sydney shelf. 229

Smith K A, Suthers I M  
 Consistent timing of juvenile fish recruitment to seagrass beds within two Sydney estuaries. 765

Solari L C  
*See* Almirón A E *et al.* 265

Staples D J  
*See* Garcia S M *et al.* 385

Stauber J L, Benning R J, Hales L T, Eriksen R, Nowak B  
 Copper bioavailability and amelioration of toxicity in Macquarie Harbour, Tasmania, Australia. 1

Stevens J D, West G J, McLoughlin K J  
 Movements, recapture patterns, and factors affecting the return rate of carcharhinid and other sharks tagged off northern Australia. 127

Stokes T K  
*See* Bravington M V *et al.* 465

Suthers I M  
*See* Smith K A *et al.* 765

Taylor B L  
*See* Punt A E *et al.* 205

Tolimieri N  
*See* Dudley B *et al.* 783

Tong L J, Moss G A, Paewai M M, Pickering T D  
 Effect of temperature and feeding rate on the growth and survival of early and mid-stage phyllosomas of the spiny lobster *Jasus edwardsii*. 235

Tong L J, Moss G A, Pickering T D,  
 Paewai M M  
 Temperature effects on embryo and early larval development of the spiny lobster *Jasus edwardsii*, and a description of a method to predict larval hatch times. 243

Townsend S A  
 Seasonal pattern and inferred phosphorus limitation of phytoplankton biomass in two tropical reservoirs in northern Australia. 91

van den Enden T, White R W G, Elliott N G  
 Genetic variation in the greenback flounder *Rhombosolea tapirina* Günther (Teleostei, Pleuronectidae) and the implications for aquaculture. 23

Vergara S G  
*See* Pollnac R B *et al.* 529

Vesk P A  
*See* Byrne M *et al.* 183

Vladimirov V A, Denissenko P V, Pedley T J, Wu M, Moskalev I S  
 Algal motility measured by a laser-based tracking method. 589

Walker K F  
*See* Bertozzi T *et al.* 805

Walker T I  
*See* Punt A E *et al.* 205

Ward S  
*See* Jones R J *et al.* 63

Ward T J  
 Indicators for assessing the sustainability of Australia's marine ecosystems. 435

Ward T M  
 Factors affecting the catch rates and relative abundance of sea snakes in the by-catch of trawlers targeting tiger and endeavour prawns on the northern Australian continental shelf. 155

West G J  
*See* Stevens J D *et al.* 127

White R W G  
*See* van den Enden T *et al.* 23

Willis T J, Babcock R C  
 A baited underwater video system for the determination of relative density of carnivorous reef fish. 755

Willmann R  
 Integration of sustainability indicators: the contribution of integrated economic and environmental accounting. 501

Wintner S P, Dudley S F J  
 Age and growth estimates for the tiger shark, *Galeocerdo cuvier*, from the east coast of South Africa. 43

Wu M

*See Vladimirov V A et al.* 589

Yang Amri A

*See Jones R J et al.* 63

Zeller D C, Russ G R

Population estimates and size structure of  
*Plectropomus leopardus* (Pisces: Serranidae)  
in relation to no-fishing zones:  
mark-release-resighting and underwater  
visual census. 221

Zhu D

*See McGuigan K et al.* 713

